

DIAGNOSTIC AGENT FOR SCANNING BONE**Patent number:** JP57050928**Publication date:** 1982-03-25**Inventor:** HAYASHI YOSHINORI; TAKAHASHI HIRONOBU;
HAZUE MASAHI**Applicant:** NIHON MEDIPHYSICS CO LTD**Classification:**- **international:** A61K49/02- **european:** A61K51/12**Application number:** JP19800127690 19800913**Priority number(s):** JP19800127690 19800913**Also published as:**

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PURPOSE: The titled diagnostic agent, containing methanehydroxydiphosphonic acid (salt) and pertechnetic acid reducing agent at a specified weight ratio, capable of suppressing the deposition of the radioactivity on soft tissues, preferably the liver, other than bones, and giving clear diagnosis.

CONSTITUTION: A composition for preparing a radioactive diagnostic agent for scanning bones containing a carrier for scanning bones selected from methanehydroxydiphosphonic acid or a salt thereof and pertechnetic acid reducing agent preferably a stannous salt, e.g. stannous chloride, at a weight ratio between the carrier and the stannous salt in the range of 1:1-7:1, and if necessary a pharmaceutically acceptable reducing stabilizer, e.g. ascorbic acid or erythorbic acid, is brought into contact with an aqueous solution containing technetium-99m in the form of a pertechnetic acid salt (pertechnetate) to give a radioactive diagnostic agent for scanning bones labeled with $<99m>\text{Tc}$.

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